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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/685,471	10/16/2003	Eog-Kyu Kim	1293.1830	5439

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EXAMINER
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SWERDLOW, DANIEL

ART UNIT	PAPER NUMBER
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2615

DATE MAILED: 08/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/685,471	<b>Applicant(s)</b> KIM, EOG-KYU	
	<b>Examiner</b> Daniel Swerdlow	<b>Art Unit</b> 2615	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 June 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8, 10-16, 19 and 21-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7, 19 and 21-24 is/are allowed.
- 6) ☒ Claim(s) 8 and 10-15 is/are rejected.
- 7) ☒ Claim(s) 16 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 8, 10, 11, 14 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Lee (US Patent 6,005,923).**

3. Regarding Claim 8, Lee discloses a data access arrangement (Figs. 1, 2) that permits the transmission of voice only with a telephone (36, 224) that corresponds to the first external terminal device claimed or the transmission of data only with a modem (14, 204) that corresponds to the second external terminal device claimed (column 4, lines 22-29).

4. Regarding Claim 10, Lee further discloses the connection of the telephone (36, 224) that corresponds to the first external terminal device claimed in a parallel connection mode (Fig. 3, column 6, lines 26-37).

5. Regarding Claim 11, Lee further discloses simultaneous connection of the telephone (36, 224) that corresponds to the first external terminal device claimed and the modem (14, 204) that corresponds to the second external terminal device claimed (column 4, lines 22-29) in a parallel connection mode (Figs. 2, 3).

6. Regarding Claim 14, Lee further discloses a loop current sense (217) that detects the hook state of the modem (14, 204) that corresponds to the second external terminal device claimed (column 5, lines 61-63; column 8, lines 7-14).

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7. Regarding Claim 15, Lee further discloses terminating a modem connection (i.e., opening a connection to disconnect an established connection between the second external terminal device and public telephone network) when an extension telephone goes off hook (column 7, lines 48-52).

8. **Claims 8 and 11 through 13 are rejected under 35 U.S.C. 102(b) as being anticipated by Gish (US Patent 5,724,554).**

9. Regarding Claims 8, 11 and 12, Gish discloses a modem (Fig. 1, reference 9) that corresponds to the telecommunication terminal device claimed and is operated according to a method (Fig. 2) comprising: if a serial interface that corresponds to the first external terminal device of a first type claimed is selected to be connected through the modem that corresponds to the telecommunication terminal device claimed to a telephone line (column 1, lines 30-34) that corresponds to the public telephone network claimed (Fig. 2, step 102, negative branch), establishing a serial connection interface (Fig. 2, steps 112, 114, 116; column 4, lines 7-12) between the telephone line that corresponds to the public telephone network claimed and the serial interface that corresponds to the first external terminal device of a first type claimed; if a parallel interface that corresponds to the second external terminal device of a second type claimed is selected to be connected through the modem that corresponds to the telecommunication terminal device claimed to a telephone line (column 1, lines 30-34) that corresponds to the public telephone network claimed (Fig. 2, step 102, positive branch), establishing a parallel connection interface (Fig. 2, steps 104, 106, 108; column 4, lines 1-6) between the telephone line that corresponds to the public telephone network claimed and the

parallel interface that corresponds to the second external terminal device of a second type claimed.

10. Regarding Claim 13, Gish further discloses a gate (Fig. 1, reference 30; column 3, lines 10-12) that corresponds to the first switching unit claimed, the output of which determines which connection type will be enabled (column 3, lines 5-42).

11. Regarding Claim 17, Gish discloses a modem (Fig. 1, reference 9) that corresponds to the telecommunication terminal device claimed, is used with a telephone line (column 1, lines 30-34) that corresponds to the public telephone network claimed and serial and parallel interfaces (14, 20) that correspond to the external terminal devices of different types claimed and comprises: an interface that corresponds to the network connection unit claimed to transmit and receive signals on the telephone line that corresponds to the public telephone network claimed (column 1, lines 30-34); a serial cable (Fig. 1, reference 12; column 3, lines 13-16) that corresponds to the first external terminal connection unit claimed and serially connects a serial interface that corresponds to the first external terminal device claimed to the telephone line that corresponds to the public telephone network claimed according to a gate (Fig. 1, reference 30; column 3, lines 10-12) that corresponds to the first switching unit claimed being in a first state; a parallel cable (Fig. 1, reference 18; column 3, lines 39-41) that corresponds to the second external terminal connection unit claimed and connects a parallel interface that corresponds to the second external terminal device claimed in parallel to the telephone line that corresponds to the public telephone network claimed according to the gate (Fig. 1, reference 30; column 3, lines 36-39) that corresponds to the first switching unit claimed being in a second state; with the gate (30) that corresponds to the first switching unit claimed connected between the cables (18, 12)

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and the telephone line that corresponds to the public telephone network claimed so that the interface corresponding to the switch state is enabled.

***Allowable Subject Matter***

12. Claims 1 through 7, 19 and 21 through 24 are allowable.
13. Regarding Claim 1, applicant has incorporated allowable matter from cancelled Claim 9 into Claim 1. As such, Claim 1 is allowable for the reasons stated in the prior Office action.
14. Claims 2 through 7 are allowable due to dependence from Claim 1.
15. Regarding Claim 19, applicant has incorporated the limitations from cancelled Claim 17 into Claim 19. As such, Claim 19 is allowable for reasons stated in the prior Office action.
16. Claims 21 through 24 are allowable due to dependence from Claim 19.
17. Claim 16 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
18. Claim 16 is allowable matter for reasons stated in the prior Office action.

***Response to Arguments***

19. Applicant's arguments filed 28 June 2006 have been fully considered but they are not persuasive.
20. Regarding Claim 8, applicant alleges that Gish fails to disclose the elements of Claim 8. Examiner respectfully disagrees. As shown in the prior art rejection above, Gish discloses a modem (Fig. 1, reference 9) that corresponds to the telecommunication terminal device claimed.

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This modem determines whether a device connected to its interface port 10 is a parallel-type interface device or a serial-type interface device and adapts to make an appropriate connection of the device to a public telephone network. The modem and is operated according to a method illustrated in Fig. 2. Step 102 of the method determines whether pins 18-25 are at ground. If these pins are at ground, the modem determines that a parallel-type interface device is connected to the port 10 and allows communication between the device and the telephone network (column 3, lines 33-42). The connection of the parallel-type interface device to the modem port constitutes a selection of that device. If a parallel-type interface device is not selected, the modem sets up for a serial-type device (column 4, lines 7-12). Further, because of the control signals of the serial interface as shown in column 3, lines 17-30, the modem determines whether a serial-type device is actually connected (i.e., selected) before allowing communication. As such, all elements of Claim 8 are taught.

21. Further, Claim 8 also stands rejected under 35 U.S.C. 102(b) as being anticipated by Lee. Applicant has made no argument addressing this rejection. As such, this rejection is also maintained.

22. Applicant's remaining arguments are limited to the dependence of the other claims from Claim 8 and are unpersuasive for the reasons stated above.

### ***Conclusion***

23. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

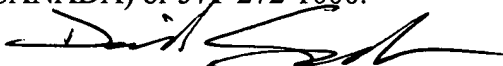
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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Swerdlow whose telephone number is 571-272-7531. The examiner can normally be reached on Monday through Friday between 7:30 AM and 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sinh H. Tran can be reached on 571-272-7564. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Daniel Swerdlow  
Primary Examiner  
Art Unit 2615

ds  
24 August 2006